

## CAS ONLINE PRINTOUT

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FILE 'CAPLUS' ENTERED AT 13:35:15 ON 08 JUL 2008

E 1980:495018/AN

L1 1 S E3

FILE 'REGISTRY' ENTERED AT 13:35:41 ON 08 JUL 2008

E 74533-42-9/RN

L2 1 S E3

E 74533-47-4/RN

L3 1 S E3

FILE 'CAPLUS' ENTERED AT 13:36:31 ON 08 JUL 2008

L4 2 S L2 OR L3

L5 1 S L4 AND L1

=&gt; d bib abs hitstr

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1980:495018 CAPLUS

DN 93:95018

OREF 93:15221a,15224a

TI Synthesis of amides and amines

IN Masuko, Fujio; Katsura, Tadashi

PA Sumitomo Chemical Co., Ltd., Japan

SO Eur. Pat. Appl., 49 pp.

CODEN: EPXXDW

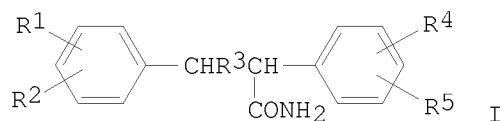
DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 8532	A1	19800305	EP 1979-301696	19790820
	EP 8532	B1	19830720		
	R: BE, CH, DE, FR, GB, IT, NL, SE				
	JP 55028959	A	19800229	JP 1978-102614	19780822
	JP 61055488	B	19861128		
	JP 55033442	A	19800308	JP 1978-106541	19780830
	JP 62000905	B	19870110		
	EP 40896	A2	19811202	EP 1981-200767	19790820
	EP 40896	A3	19820203		
	EP 40896	B1	19840425		
	R: BE, DE, CH, FR, GB, IT, NL, SE				
PRAI	JP 1978-102614	A	19780822		
	JP 1978-106541	A	19780830		
	EP 1979-301696	A	19790820		

GI



AB Amides I (R1, R2, R3, R4 = H, halo, OH, trihalomethyl, Ph, PhO, PhS, C1-6 alkyl, hydroxyalkyl, alkenyl, alkoxy, alkylthio, dialkylamino, alkylsulfonyl; R1R2 or R3R4 = ring; R3 = H or R1) were prepared by hydrolysis of the corresponding nitriles in presence of quaternary ammonium compds. and in aqueous alkaline H2O2. The amides I were converted to the

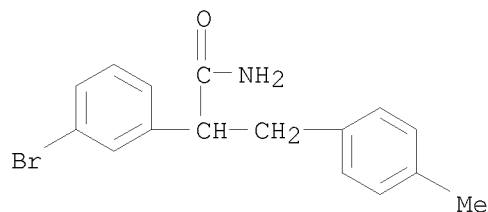
corresponding amines by treatment with hypohalites. Thus, PhCH2CN with 4-MeC6H4CH4Cl gave PhCH(CN)CH2C6H4Me-4, which on hydrolysis in aqueous NaOH containing H2O2 and Bu4NOH gave PhCH(CONH2)CH2C6H4Me-4 (II). II in MeOH containing NaOH was treated with Br at 0° and a catalytic amount of Bu4NOH and the mixture refluxed to give PhCH2CH(NH2)CH2C6H4-Me.

IT 74533-42-9P 74533-47-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and reaction with hypohalite)

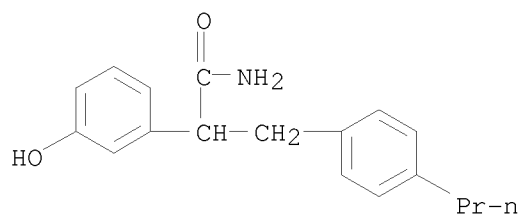
RN 74533-42-9 CAPLUS

CN Benzenepropanamide,  $\alpha$ -(3-bromophenyl)-4-methyl- (CA INDEX NAME)



RN 74533-47-4 CAPLUS

CN Benzenepropanamide,  $\alpha$ -(3-hydroxyphenyl)-4-propyl- (CA INDEX NAME)



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